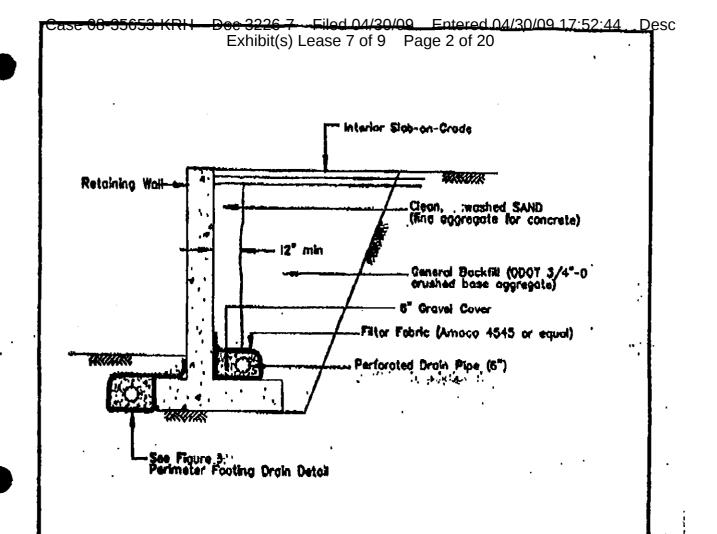


SCHEMATIC - NOT TO SCALE

NOTES:

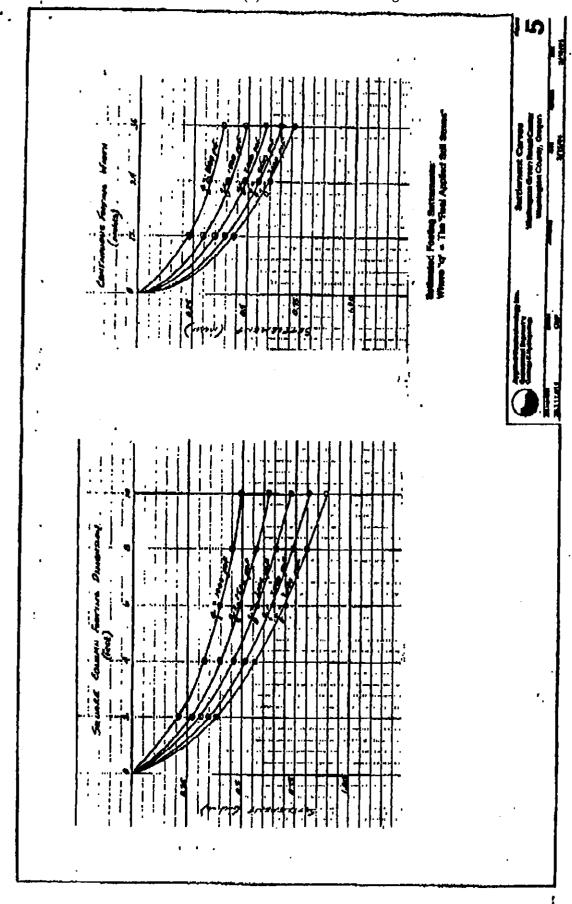
- 1. Filter Fabric is non-woven geotextile (Propex 4545, Mirati 140N, or equivalent).
- 2. Lay perforated drain pipe on minimum 0.5% gradient, widening excovation as required. Maintain pipe above 2:1 stope, as shown.
- 3. All gronular backfill is recommended for support of slobs, povements, etc. (See text for structural fill).
- 4. Drain Gravel to be 3/4" to 1-1/2" clean washed gravel.

Geology &	cectsetifieldgy lied. Dil Engineering Hydrogediogy	Wash	ooting Drain Detail Nigton Green ard Crepon	3
KONTANDER SCLINLON	CND Grown	NAMO/ED	546 R460 2/24/94	ON



SCHEMATIC - NOT TO SCALE

Applied Geotechnology Inc. Geology & Hydrogeology Geology & Hydrogeology	' We	Welf Drain De phington Green gard, Oregon	otal	4
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Applied Gentechnology Inc.

APPENDET A

EXPLORATION PROCEDURES LOGS OF BORINGS

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Applied Geotechnology Inc.

AGI EXPLORATION PROCEDURES

Exployatory Royings. Our scope of work included 7 exploratory test borings, designated 8-1 through 8-7 as shown on the Exploration Location Plan, Figure 2. The test borings were drilled with a solid-stem auger drilling rig under subcontract to Greg Van De Hey Soil Sampling of Ranks, Orogon, and were advanced to depths ranging from 4 to 30.8 feet.

Samples were typically taken at 2.5 or 5-foot intervals. Sampling was performed by 1) the Standard Fenetration Test (SFT) method, and 2) hydraulically pushing thin-walled steel tubes. Sampling methods are described as follows:

SPT Method (ASTM D1586) - A 2-inch O.D. split-barrel sampling tube is driven into the soil with blows from a 140-pound hanner falling 30 inches. The number of hanner blows required to drive the sampler each of three 6-inch increments is recorded and the sum of the blows for the sizel 12 inches of penetration is regarded as the M-value or SPT resistance. The M-value is a measure of the relative density of sande or the strength/consistency of clayer, cohesive soils and is recorded as blows per foot (bpf).

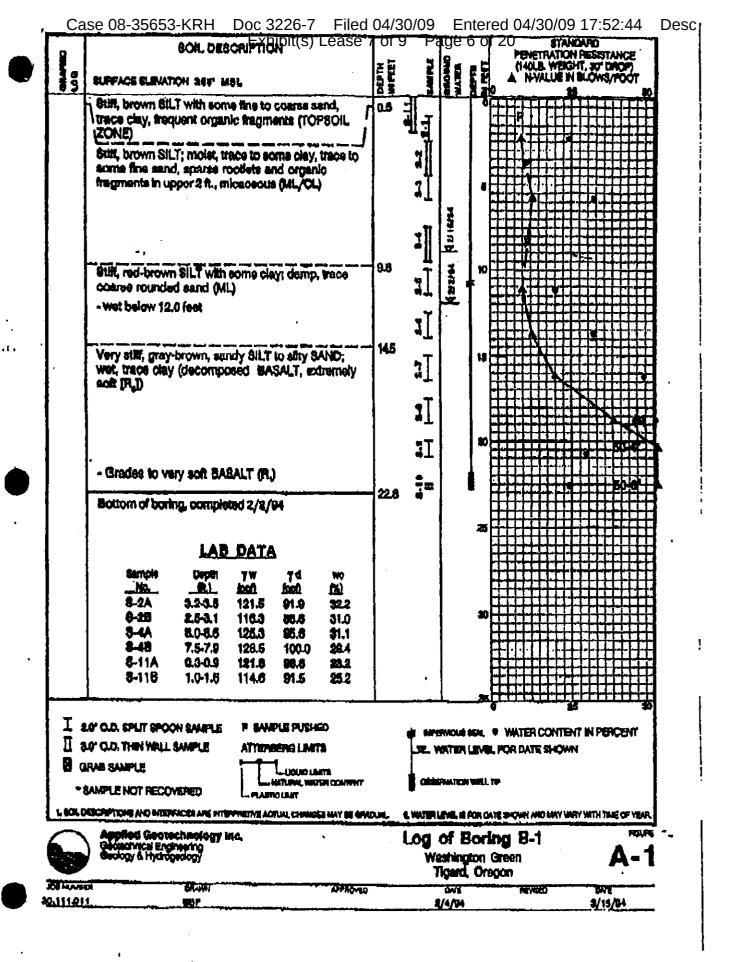
Following split-barrel removal from the boring and sample field classification, a representative soil sample is saved in an airtight jar. The jar is identified and returned to our laboratory.

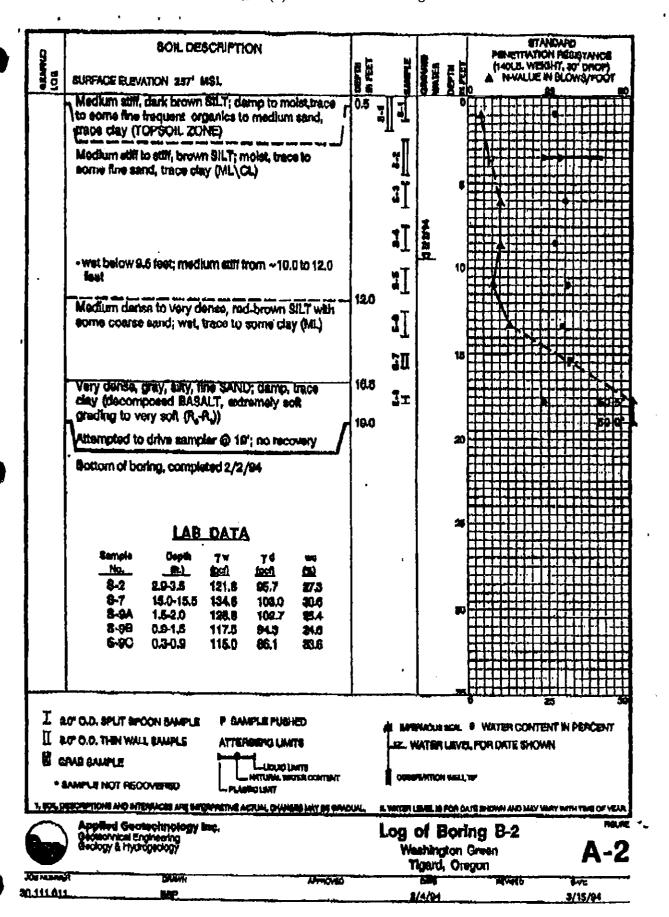
Thin-Walled Tube Method (ASTM D-1587) - Thin-walled tube samples are used to obtain relatively undisturbed samples for laboratory testing. A 3-inch, thin-walled steel tube is hydraulically pushed below the base of the boring and carefully reserved from the hole. The ends of the tube is scaled to prevent scieture loss. The tube is labeled and returned to our laboratory for extrusion, classification and testing, as required.

all test borings were logged by an experienced geologist from our steff. She directed the sampling program and recorded sample dopth/type, identified all jar/tube samples, field classified the soils, recorded relative Grill action, and developed a preliminary log of the soil units encountered. Surface elevations of the borings were estimated using topography from a site plan provided by WAH Pacific. The surface elevations are presented on the Logs of Borings.

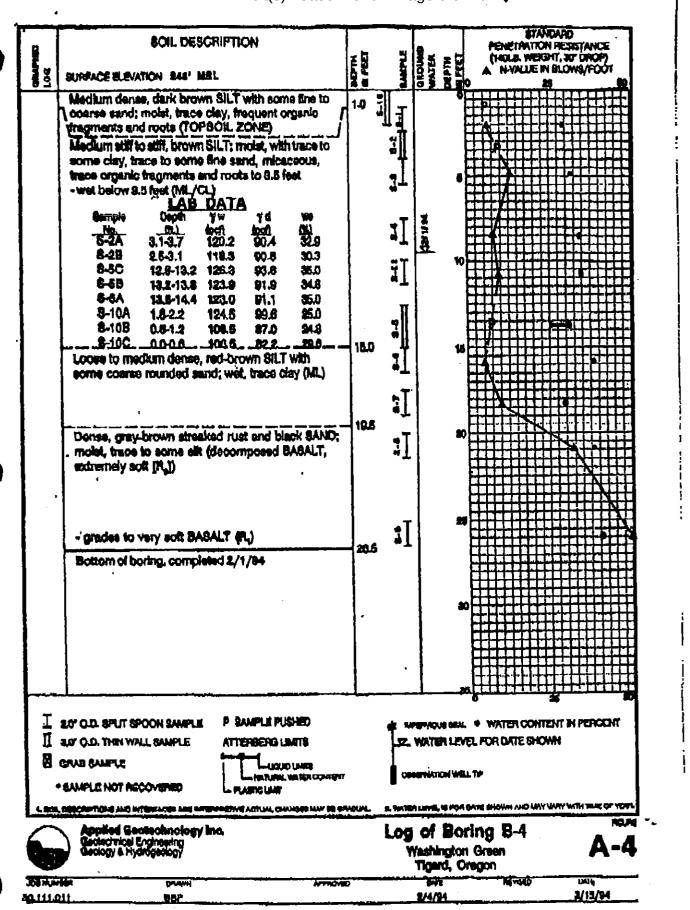
Final logs of the test borings are presented on Figures A-1 through A-9. These reflect the descriptions of soil units encountered and their relative depths from the ground surface. The SYT resistance values (N-values) and natural moisture contents of the samples are plotted graphically.

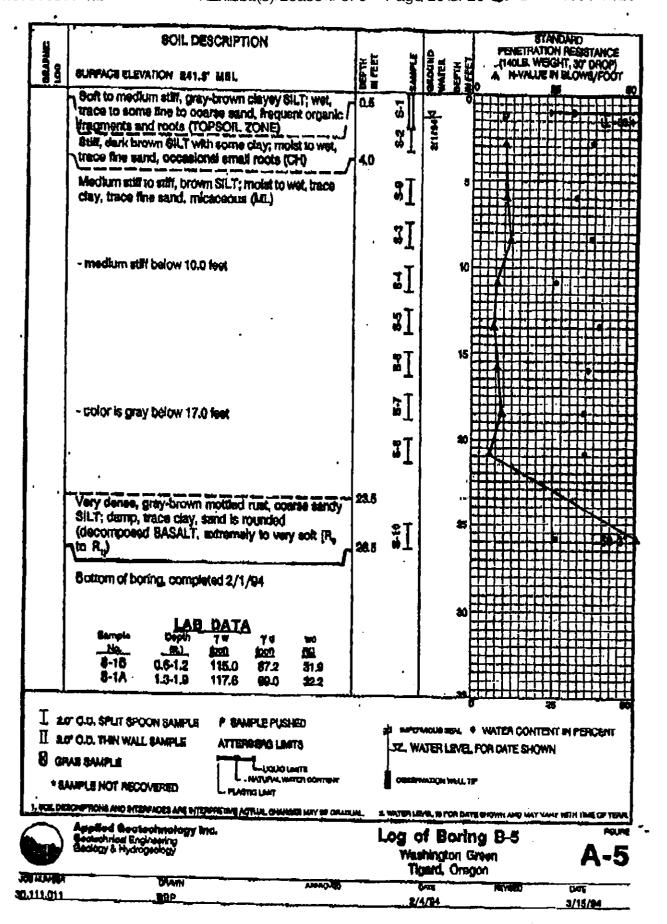
Information relative to groundwater is also presented on the logs of Borings. Groundwater observation wells were installed in Borings 8-1 and 8-3.



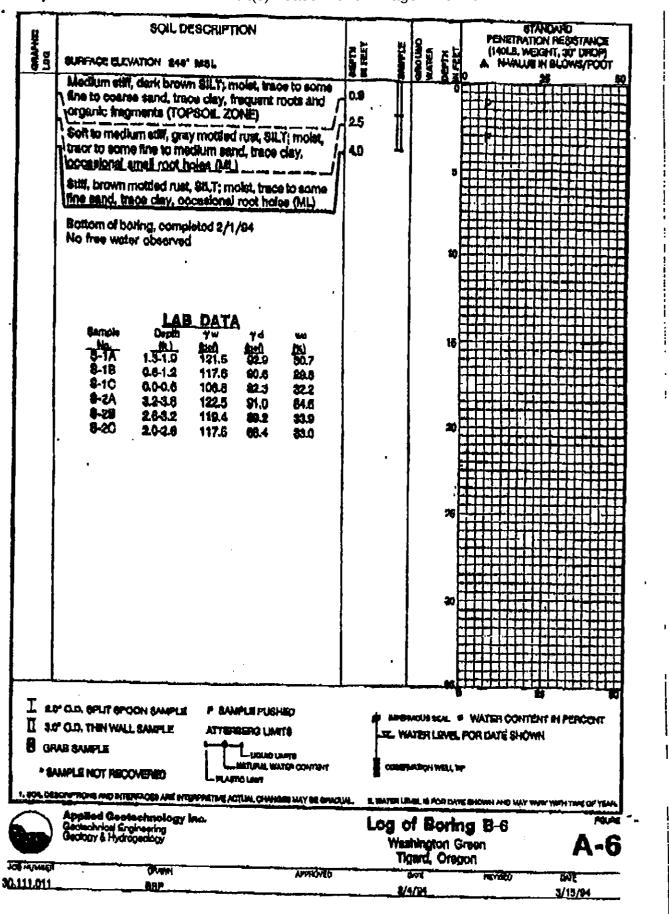


SOIL DESCRIPTION	TAMBARIO TON RESISTANCI BOHT, SO' DROP EN SLOWS/FOOT SE STANCI GO STANCI
Medium stiff, mottled brown Sti.T; moist, with trace 1 to some fine to coarse sand, trace clay, abundant	BIZHT, SU URKUP) E IN BLOWS/FOOT
Medium stiff, mottled brown Sti.T; moist, with trace 1 to some fine to coarse sand, trace clay, abundant	
1	
Stiff, brown Sit.T; moist, trace to some fine sand, and a sece clay, micaceous (ML/CL)	
Bample Depth yw yd we	
8-25 2.5-8.0 119.5 81.0 81.4 8-2A 8.0-3.6 121.3 81.2 22.9	
8-11B 0.5-1.1 1123 80.5 255 8-11A 1.2-1.B 115.8 02.9 24.7 8-12 10.2-10.8 124.0 83.2 33.6	
-Soft to medium etilf from ~10.0 to 15.0 feet	
- Wet below 12.5 feet	
Stiff to very stiff, red-brown SILT with come day; moist to wet, trace ocurse sand (ML)	
Medium dense, rust motited gray and streeted black, SiLT with some sand; wet, trace clay (decomposed BASALT, extremely suft [R _p])	
- grades to very soft BASALT (A.)	
Sottom of boring, completed 2/2/94 *Possible erroneous water level due to insufficient	
gravel pack around observation well acreen	
I 20" O.D. SPLIT SPOON SAMPLE P SAMPLE PUSHED IN SPERMOUS SEAL & WATER CONT. II SED" O.D. THEN WALL SAMPLE ATTEMENS LIMITS INC. WATER LEVEL FOR DATE SHO	
CHAR BANIPLE INTURN WITH STATE CONTENT. CONTINUE OF THE CONTENT	
* BANAPLE NOT RECOVERED L. PLATISLINIT	
1 BANACI E NUTT TREACNATIONS	A-3

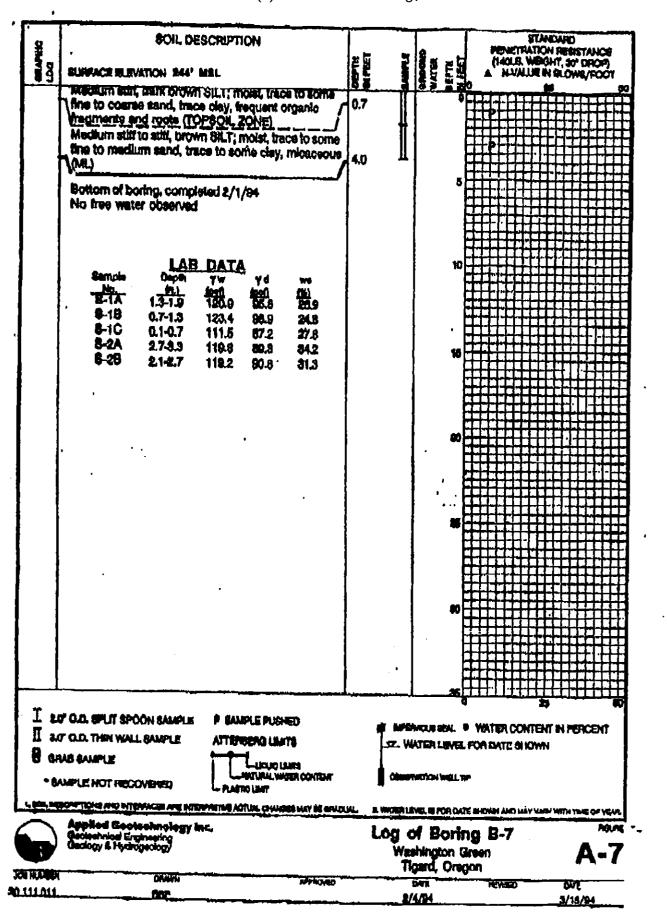




CIRCUI Fase Q8 35653-KRH TP 00 2326 57 - Filed 04/30/09 A Entered 04/30/09 No 7:52444 20 Desc Example(s) Lease 7 of 9 Page 11 of 20



A4 to A4



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APPENDIX &

LABORATORY TRATING & SELECT PIRIS DAMA

WAREINGTON GRANK RETAIL CENTER WAREINGTON COUNTY, ORSOON

Tables 3-1 through 3-5

Applied Geotechnology inc.

TABLE 8-1 - SELECT RELD & LAB DATA Fort A - Shelby Tube Deta

		Way Sarah	Company of	Market Toler	The second	direction and the
		Carried Street, Street, Co.			建设工程	
and an interest of the				(S)		
0-2.2	P-1 (9-11)	0.3-0.0	91,6	25,2	3.0	.84
i		1,0-1,6	38,8	27.2	2.25	Lava) es.
Į.	9-2 (5-9)	0.2-0.9'	₩.1	01.4	2.25	.34
i	}	0.9-1.5	84.2	24.0	1.8 (avg.)	.38 (mp.)
1		1.5-2.11	102,7	41 .4	2,25	#2
i	D-3 (B-11)	0.5-1.1	89.5	28.5	3.7	.51
	<u></u>	1.51.5	92.9	24,7	1.7 (evg.)	A length
•	B-4 (8-10)	0.0.6	81,2	29.6	2.25	A2
ł		0.41.2	87.0	24.0	3,25	.40
1 .		1.8-2.2"	9,66	25.0	1.75	.45 (evg.)
<u> </u>	8-8 (S-1)	0.6-1.4	47.2	81,0	0.7	.54
ŀ		1.4-1.9	0,0	93.3	0.4	27 Gregi
	8-8 (A-1)	0-0,6	92.3	32.2	1.8	.25
		0.6 1.2'	\$0,6	25,8	2.25	.30
		1.2-1.9	12.9	30,7	1.00 toval	(Lgvs) \$1.
	8-7 (8-1)	0.1-0.7	47.1	\$7.8	1.75 (avg.)	(.gva) 64,
<i>'</i>		0.7-1.3	59.9	24.8	1.75 (mg.)	LOW DE.
4 7 4 70		1.3-1,94	98.3	24.9	1.19	LgvqJ SS.
2.5-4.8"	₽-1 (3 -22)	2.84,17	1111	\$1.0	2.25	.43
		8.8-3.8'	91.9	82.2	4.25	.01
	B-2 (B-2)	2.9-3,6'	96.7	27.3	2.25 (avg.)	.40 laveJ
	8-3 (5-2)	2.5-3.0	\$1.0	81.4	2.79	,â¢
		3.0-3.6.	\$1.2	32,9	3,50	.44
	B-4 (5-2)	2.5-8.1	80.8	\$0.1	2.75	.40
	2 2 22 22	9.1-9,7'	90.4	32.5	4.25	.70 (evg.)
	3-4 (S-2)	2.0-1.0	88,4	13.0	1.28	.949) 62.
		2.0-3.1'	\$9.7	83.9	2.5 (avg.)	.17 (ave.)
		\$.2-3.3'	0.10	24.0	0.6	E2 (evg.)
	₱.7 (G-2)	8.1-2.7"	\$0.4	31.8	7.25	A4 (mg.)
		1.7-1.5'	89.3	24.2	3.25 (AVD.)	.49 (evg.)
7.5-9.5	B-1 (B-4)	7.2-7.9	100.0	28.4	3.25	.70
40.0000		8.0-0.8	95.4	\$1,1	2.25	.97
10.0-12.0	B-3 (B-12)	10.2-10.6	93,1	\$5,6	1,25	,24
120-180	B-4 (S-6)	12.4-12.2	0.60	38.0	1.75	.42 (avg.)
	1	13.2-13.91	91,9	96.0	1.75	.40
		13.5-14.9"	91.1	34.8	1,0	(.gva) 35,
18.0-17.0	B-2 (3-7)	18,0-14,4	103,0	30,5	2.0 (top)	.42 (top)
					4.5+ (bot)	,82 (het.)
					THE PERSON NAMED IN	

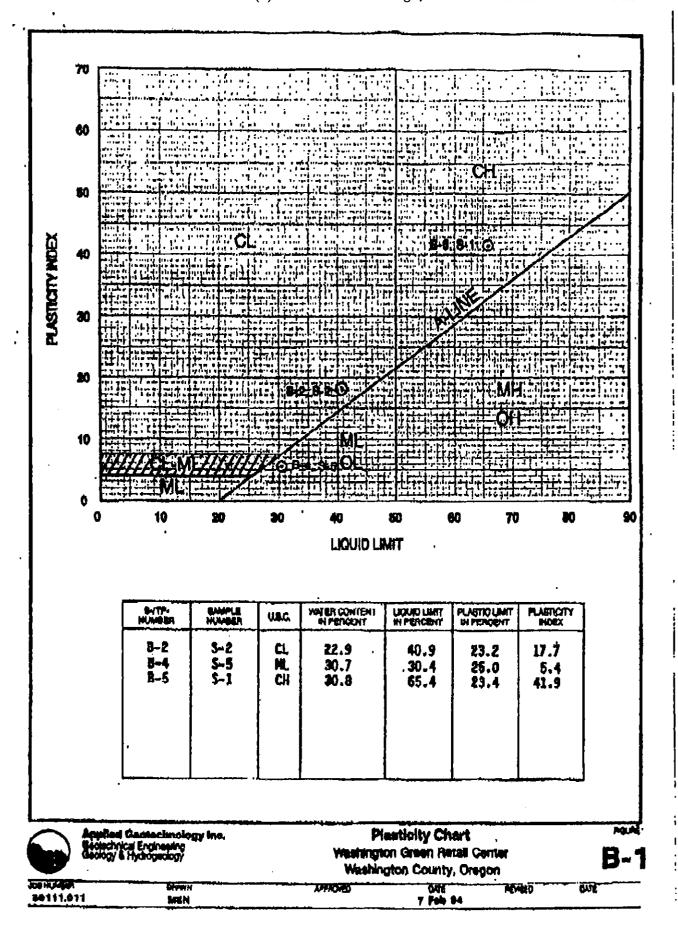
TABLE B-1 Pert B - SPT Sample Data

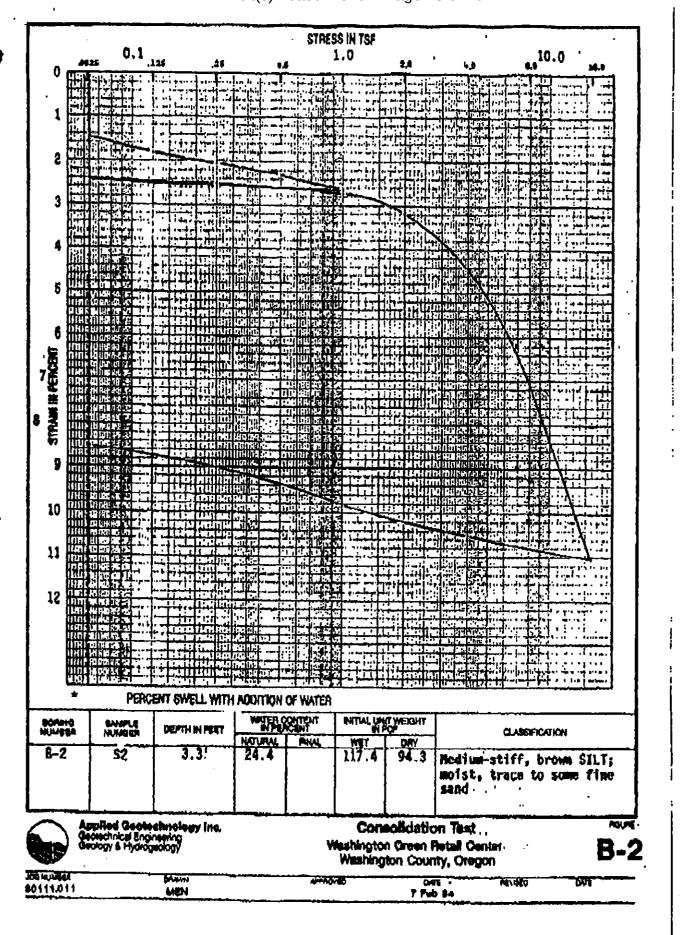
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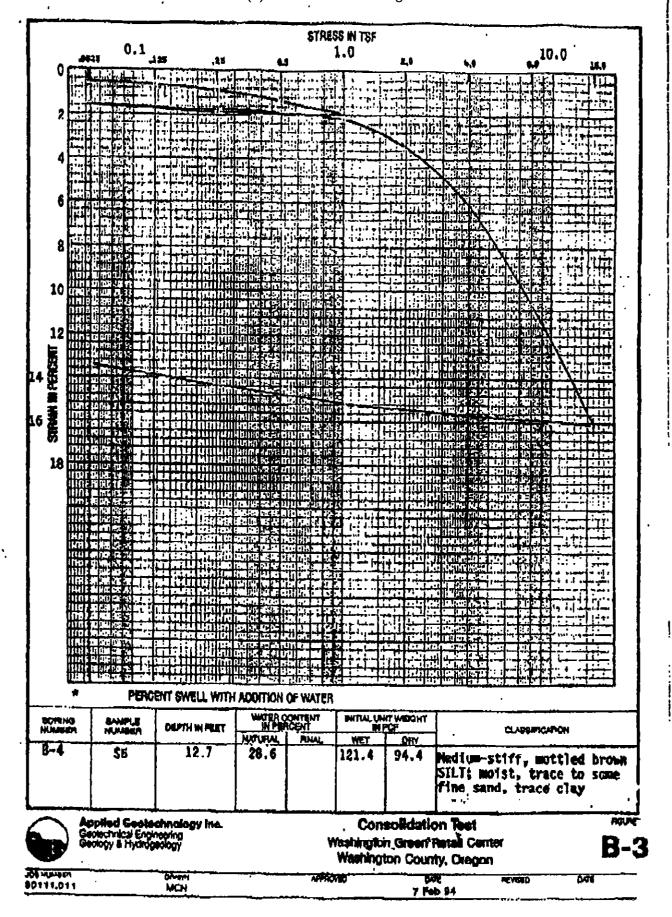
		7 M-12 Maria	E-CNAST CONTRACT
		A 41-	
₽ 1	\$-1 @ 1.0-2,5*	•	22.0
	8-3 @ 4.6-6,0'	13	81,8
1	8-8 @ 10.0-11.6°	10	59.1
i	3-0 @ 12,5-14,0"	15	31.8
•	9-7 @ 15,0-16,6"	20	47,0
	8-6 @ 17.5-19.0"	18	B1.8
į .	8-0 € 20.0-20,¢	80/4 *	26,4
[3-10 6 22 3- 22.8	BO49*	24,1
0 -2	5-1 0 0-1.8'	4	24,5
	\$-1 0 \$-1.5'	15	\$0.0
1	64 ♥ 7.54.0° .	10	29.4
	4-5 0 10.0-11.5	F	31,1
	\$46 ₽ 12.5-14,0′	18	24,5
	8-8 @ 17.5-19.0	£0/6*	22.0
	No receivery	\$0. 67	1/1
8-9	₽1 ₽ 1,0-2.4'	7	26,3
	8-3 Ø 4.5-6.0°	10	34.1
	8-4 @ 7.5-0.0	•	20,9
	8-8 @ 12.6-14.0°	•	34.9
:	5-6 (15,0-16,6'		35,3
	3-7 ● 17.5-19.0	•	30.7
	\$-8 ♦ 20.0-21,8	21	17.7
	₽-9 @ 25.0-26.8°	26	E0.8
	₽-10 ₩ 30.0-30.8'	\$0/4"	\$2.7
9.4	8-1 @ 1.0-2.8'		23.5
	3-3 0 4.0-6.5°	13	31.6
	8-4 @ 7.8-9.0"		44.7
+	\$-12 @ 10.0-11.5°	•	34.R
	8-0 @ 18.0-10.5	\$	J7.5
	8-7 @ 17.5-18.0'	10	29.1
	8-8 ⊕ 30. 0-21,5°	31	36.1
	8-9 \$ 28.0-24.8"	40	40.5
9-6	\$1934.5	10	87. 0
	\$-0 @ £.0-0.\$*	13	\$1,\$
	9-3 @ 7.5-0.0°	7	34.3
	8-4 @ 10.0-11_5'	1	20.4
	8-6 € 12.8-14.0'	7	29.3
	8-6 € 18.0-18.5*		\$6.1
İ	\$-7 ● 17.5-19.0′	1	84.0
	P-6 Q 20.0-21,5°		TAS
	8-10 @ 25.0-28,3*	93	26.0

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TABLE B-2 COMPACTED GOR TEST RESULTS







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